

Leica ASP200 Vacuum Tissue Processor



Freestanding unit - 230-240 V/50-60 Hz 048037126

The **Leica ASP200** is a freestanding, fully-enclosed vacuum tissue processor for programmable processing of histological tissue specimens in the fields of pathology and clinical histology.

The instrument features 3 pressure/vacuum options (pressure & vacuum, pressure only, vacuum only) as well as further option of processing under ambient conditions.

Processing temperatures are programmable for each individual step (10 reagent stations and three paraffin wax baths). The instrument provides three cleaning stations plus an optional connection for an external cleaning station. The processing retort is made of electropolished stainless steel for easy cleaning with a contact-free optical sensor to check the fluid level.

A maximum of 200 cassettes can be processed simultaneously using up to 15 processing protocols or programs with 13 steps maximum each. A selection of four further cleaning programs, which can be customized by the operator, are available.

An easy-to-use remote reagent handling system can drain and refill reagent bottles from bulk containers via the retort and a hose plugged into the processor module.

The 3-step retort draining system is tailored to minimize reagent carry-over.

A multi-language user interface combined with a new graphical program display allows even junior operators to quickly become familiar with the system. Ease of use is supported further by direct-access on-line help covering each individual processing step.

In addition laboratory-specific custom help (or SOP for GLP) can be installed by the user.

The quick-start feature (from 'Favorites' screen) allows the user to access the instrument without losing valuable time.

Additional features and functionalities of this state-of-the-art processor include:

- User access control and monitoring via multiple-step password protection
- Large, high-quality color LCD touchscreen, solvent-resistant
- Intelligent user interface (protecting against programming and operation errors)
- Intelligent Reagent Management System - RMS (can be switched ON/OFF)
- Export function of RMS data to standard spreadsheet programs (Excel or others)
- Efficient paraffin wax cleaning system
- Programmable delay of "finish time" and "start time"
- Skip-step / Add-step function (programs can be edited while in progress)
- Lock mode prevents unauthorized access to any functions or operations of the instrument
- 2-Phase fume control system: condenser to remove solvents from air inside the instrument plus activated carbon filter and optional exhaust air hose
- Remote alarm connection
- Auto-protection against overheating and overpressure
- Sophisticated specimen features after power failure - automatic processing recovery
- Full protection against cross-contamination of incompatible reagents
- Intelligent specimen protection feature
- Quality control feature (system monitoring) including performance check (pump age, carbon filter age, rotary valve performance) and system performance on station level (reagent age monitoring, warning thresholds)
- Serial port
- External printer connection
- 3.5 inch floppy disk drive
- Selectable buzzer volume (alarms)
- Design, materials and workmanship in compliance with CE, UL, c-UL, VDE standards.

Technical Data:

Dimensions: (W x H x D): 595 cm x 1325 cm x 680 cm
Dimensions: (W x H x D): 23.43 x 52.17 x 26.77 inches
Dry weight: approx. 140 kg / 308.37 lbs
Nominal supply voltage: 230-240 V/50-60 Hz
Required ambient conditions to ensure functioning according to specifications:
Relative humidity: 80 %, non-condensing
Room temperature: 15 °C to 40 °C
Retort volume: Max. 4.5 l
Retort volume when using displacement block: Max. 3,5 l
Capacity: max. 200 cassettes
Admissions: Design, materials and workmanship with CE, UL, c-UL, VDE-standards

Standard delivery includes:

1 Leica ASP200 - Basic instrument (0480 37126)
1 Accessory-Kit (0480 37531) consisting of:
-1 Basket hook (0476 34713)
-2 specimen baskets, assy, including lid, dividers, springs and handle (0476 34193)
-1 Displacement block (0480 37127)
-1 Reagent bottle with cap, plastic, (0480 37121)
-2 Activated carbon filters, assy. (0476 34150)
-1 Remote fill/drain hose, assy. w/connecting device (0476 34716)
-1 Paraffin drain hose (0476 34721)
-1 Paraffin wax scraper, plastic (0476 35923)
-1 Lubricant for valves and O-rings, Molykote 111, 100 g (0336 35460)
-1 Jumper cable - mains (0411 34604)
-1 Maintenance kit:
(2 spare lids, 9 O-rings) (0476 35921)
-1 Stirrer bar, assy. (0476 34202)
-2 Sets of labels for reagent bottles, set of 15 each (0480 37532)
-1 Splash protection (0476 34770)
-1 Allen key, size 3.0 (0022 04138)
-1 Jack connector (remote alarm)(6844 01005)
1 Set of power cords:
-1 Power cord "D" (0411 13558)
-1 Power cord "UK" ST-BU F-5A (0411 27822)
13 Reagent bottles with caps, plastic (included in the instrument) (0480 37121)
1 Condensate bottle with cap, plastic (included in the instrument) (0480 37122)
1 Service kit for pump (included in the instrument) (0476 35922)
1 Drip tray (included in the instrument) (0476 37350)
1 3,5 Diskette, empty (taped to the back of console cover)
1 Instruction manual Leica ASP300/200 multilingual